

Title (en)

Light mixing element, backlight module and display device

Title (de)

Lichtmischelement, Rückbeleuchtungsmodul und Anzeigevorrichtung

Title (fr)

Élément de mélange de lumière, module de rétroéclairage et dispositif d'affichage

Publication

**EP 2725292 B1 20200122 (EN)**

Application

**EP 13190492 A 20131028**

Priority

CN 201210422434 A 20121029

Abstract (en)

[origin: EP2725292A1] A light mixing element in a shape of a prism, and a cylinder of the prism of the light mixing element includes a first light-emitting inclined surface (101), a second light-emitting inclined surface (102), a bottom surface (103), an incident surface (104) and a reflecting inclined surface (105); one side of the second light-emitting inclined surface is connected with one side of the first light-emitting inclined surface to form a top angle; the bottom surface is arranged opposite to the top angle; the incident surface is connected between one side of the bottom surface and the other side of the first light-emitting inclined surface; and the reflecting inclined surface is connected between the other side of the bottom surface and the other side of the second light-emitting inclined surface and arranged opposite to the incident surface and the first light-emitting inclined surface.

IPC 8 full level

**F21V 8/00** (2006.01)

CPC (source: EP US)

**F21V 13/04** (2013.01 - US); **G02B 6/0028** (2013.01 - EP US); **G02B 6/0078** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2725292 A1 20140430**; **EP 2725292 B1 20200122**; CN 102927524 A 20130213; CN 102927524 B 20140917; US 2014119051 A1 20140501; US 9310053 B2 20160412

DOCDB simple family (application)

**EP 13190492 A 20131028**; CN 201210422434 A 20121029; US 201314064402 A 20131028